

Applicant:
USSN:

Upon entry of this Amendment, the following listing of claims replace prior versions and listings of claims in the application.

Please cancel claims 8-23 without prejudice or disclaimer as being drawn to the non-elected invention.

Please replace the pending claims with the following listing of claims:

Listing of Claims:

1. (Previously Presented) A method of identifying a compound that modulates a transcriptional response to hypoxia in a cell, said method comprising:
contacting a cell, or the extracellular environment of a cell, with a candidate compound;
subjecting the cell to hypoxic conditions; and
assessing a transcriptional response of the cell to the hypoxic conditions.
2. (Previously Presented) The method of claim 1, wherein the transcriptional response is expression of a reporter gene under the control of a hypoxia-responsive promoter or an endogenous hypoxia-responsive gene.
3. (Previously Presented) The method of claim 2, wherein the reporter gene encodes luciferase, green fluorescent protein, yellow fluorescent protein, or cyano-fluorescent protein.
4. (Previously Presented) The method of claim 2, wherein the endogenous gene encodes vascular endothelial growth factor, erythropoietin, heme oxygenase, iNOS, glucose transporter 1, glucose transporter 3, hexokinase, ALDA, or transferrin.
5. (Previously Presented) The method of claim 1, wherein the cell is a cultured cell.
6. (Previously Presented) The method of claim 1, wherein the cell is in an animal.
7. (Previously Presented) The method of claim 1, wherein the hypoxic conditions to which the cells are exposed induced by deferoxamine or cobalt chloride.